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10/763,300

01/26/2004

Yuji Shimoda

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STAAS & HALSEY LLP

SUITE 700

1201 NEW YORK AVENUE, N.W.

WASHINGTON, DC 20005

EXAMINER

GETACHEW, ABIY

ART UNIT

PAPER NUMBER

2841

| SHORTENED STATUTORY PERIOD OF RESPONSE | MAIL DATE | DELIVERY MODE |
|--|-----------|---------------|
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3 MONTHS

02/23/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

|                              |                                      |                                       |  |
|------------------------------|--------------------------------------|---------------------------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b><br>10/763,300 | <b>Applicant(s)</b><br>SHIMODA ET AL. |  |
|                              | <b>Examiner</b><br>Abiy Getachew     | <b>Art Unit</b><br>2841               |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 26 January 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>1/26/2004</u> . | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

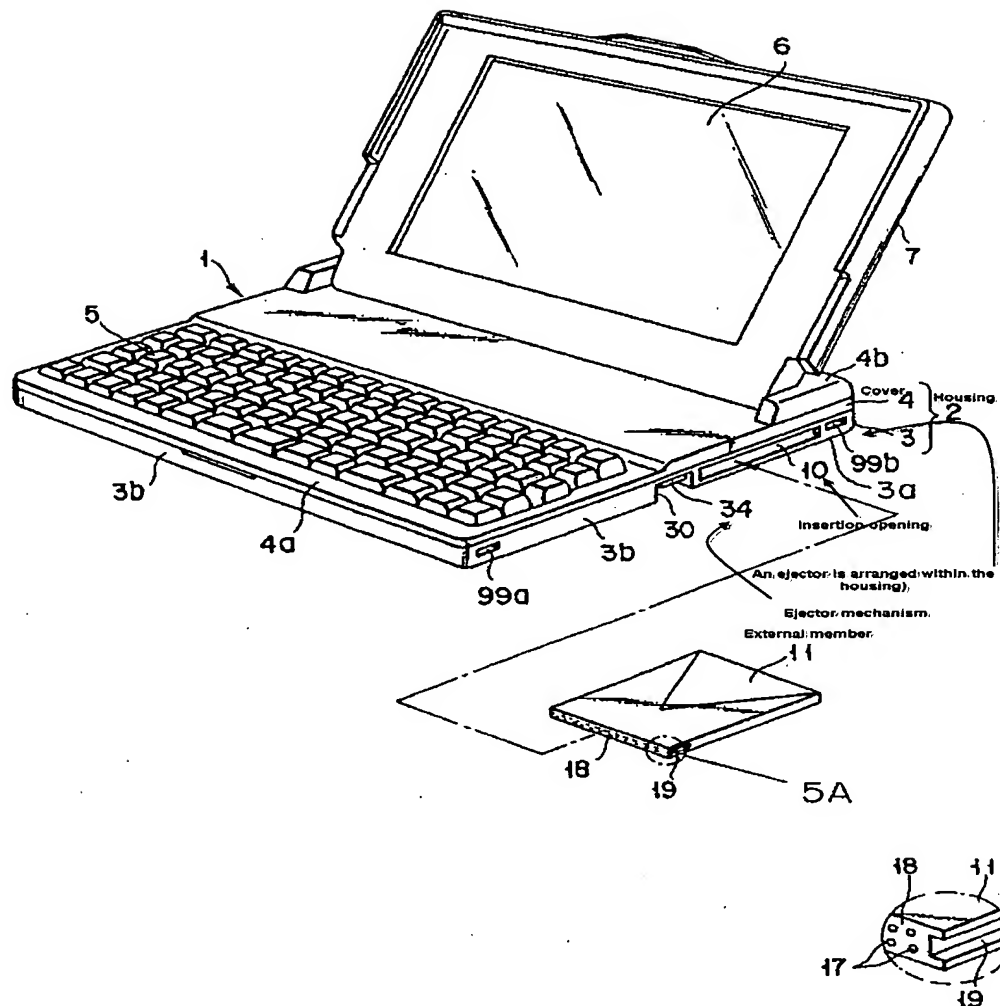
1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Hosoya et.al. (5,544,009).

Regarding claim 1, Hosoya et.al. discloses an electronic apparatus (Figure 5) electrically connectable to an external member (11) said electronic apparatus (See figure 5) comprising a housing (2) that has an insertion opening (10) which the external member (11) is to be inserted into and ejected from an ejector (See the abstract, i.e. an ejector is arranged within the housing), which is provided movably on said housing (2), has a movable end that projects from the insertion opening (10), and projects the external member from the insertion opening (10) as the movable end moves apart from the insertion opening (10) and a cover (4) , attachable to said housing(2) , which closes the insertion opening (10).



Regarding claim 2, as applied claim 1 above Hosoya et.al. discloses , wherein said ejector (See the abstract, i.e. an ejector is arranged within the housing) (See the figure in claim 1) is made of a film. (See the Abstract, what ejector is a Movable pins in pattern dies that help remove patterns from the die) (See figure 5)

Regarding claim 3, as applied claim 2 above Hosoya et.al. discloses, wherein said ejector (See the abstract, i.e. an ejector is arranged within the housing) is folded so as to hold the external member (11).

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Regarding claim 4, as applied claim 3 above Hosoya et.al. discloses wherein said ejector (See the abstract, i.e. an ejector is arranged within the housing) has approximately the same width as the external member. (See figure 5 element 10 where the external member inserted to. In order the external member to fit into the insertion opening the width of both elements should be approximately the same)

Regarding claim 5, as applied claim 1 above Hosoya et.al. discloses, wherein said ejector (See the abstract, i.e. an ejector is arranged within the housing) is made of a transparent material. (See the Abstract, i.e. a card storage section is provided in such a manner as to be continuous with the inlet. It is an opening providing a means of entrance or intake)

Regarding claim 6, as applied claim 1 above Hosoya et.al. discloses wherein said ejector (See the abstract, i.e. an ejector is arranged within the housing) is made of a ribbon. (See figure 5 element 10 where the external member inserted to. In order the external member to fit into the insertion opening the width of both elements should be approximately the same so therefore such a band or strip member has a small thickness that enables the thickness of the insertion opening to be approximately equal to that of the external member (11).)

Regarding claim 7, as applied claim 6 above Hosoya et.al. discloses wherein said ejector (See the abstract, i.e. an ejector is arranged within the housing) is folded so as to hold the external member (11).

Regarding claim 8, as applied claim 7 above Hosoya et.al. discloses wherein said ejector (See the abstract, i.e. an ejector is arranged within the housing) has approximately the same width as the external member (11).

Regarding claim 9, as applied claim 1 above Hosoya et.al. discloses wherein the external member (11) has a connector for an electric connection with said electronic apparatus, and wherein said ejector exposes the connector of the external member inserted into the insertion opening for the electric connection between the external member and said electronic apparatus. (See the Abstract, i.e. The card storage section is intended to allow a card-like electronic part to be accessibly inserted there into through the inlet and has a card connector to which the card-like electronic part is detachably connectable)

Regarding claim 10, as applied claim 1 above Hosoya et.al. discloses further comprising a restriction part (34) that restricts a movement of the movable end of said ejector (An ejector is arranged within the housing).

Regarding claim 11, as applied claim 1 above Hosoya et.al. discloses further comprising a guide member (14) that guides the external member, wherein said ejector is provided on said guide member (14) [Column 6 paragraph 3 lines 18-30] and said guide (14) member is provided in said housing (2).

Regarding claim 12, as applied claim 11 above Hosoya et.al. discloses further comprising a substrate (211) accommodated in said housing (2) and connectable electrically to the external member (11) said guide member (14) being fixed onto said substrate (211). [Column 17 paragraph 3 lines 13-44]

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Regarding claim 13, as applied claim 12 above Hosoya et.al. discloses wherein said substrate (211), said ejector (See the abstract, i.e. an ejector is arranged within the housing), the external member (14), and said guide member (14) are aligned in this order in a direction orthogonal to an insertion direction of the external member. [Column 6 paragraph 3 lines 18-30]

Regarding claim 14, as applied claim 11 above Hosoya et.al. discloses wherein the external member (11) has a connector for an electric connection (See the Abstract) with said electronic apparatus (See figure in claim 1), and wherein said ejector is folded (See the abstract, i.e. an ejector is arranged within the housing) is folded so as to hold the external member (11), has a center hole (10) to expose the connector of the external member (11), and is fixed onto said guide member (14) [Column 6 paragraph 3 lines 18-30] apart from the center hole (10).

Regarding claim 15, as applied claim 1 above Hosoya et.al. discloses further comprising a substrate (211) accommodated in said housing (2) and connectible electrically (See the Abstract) to the external member (11), wherein the ejector (An ejector is arranged within the housing) is pasted on said substrate (211).

Regarding claim 16, as applied claim 1 above Hosoya et.al. discloses wherein said cover is engaged with the movable end of said ejector (An ejector is arranged within the housing).

Regarding claim 17, as applied claim 16 above Hosoya et.al. discloses wherein an engagement (32) force between said cover and the movable end of said ejector (An

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ejector is arranged within the housing) is greater than a force to disconnect an electric connection between the external member (11) and said electronic apparatus (figure 5).

Regarding claim 18, as applied claim 1 above Hosoya et.al. discloses wherein the movable end (34) of said ejector (An ejector is arranged within the housing (2) includes an engagement part (32) engageable with said cover (31), and wherein said cover (31) includes a groove engageable (32) with the engagement part, and a rib that positions the engagement part (32). (See figure 14, i.e. is a bottom view showing a pushing mechanism contained in the base unit, seeing from the bottom surface side of the base unit)

Regarding claim 19, as applied claim 1 above Hosoya et.al. discloses wherein the movable end (34) is the thickest in said ejector. (See figure 5 element 10 where the external member inserted to. In order the external member to fit into the insertion opening the width of both elements should be approximately the same)

Regarding claim 20, as applied claim 1 above Hosoya et.al. discloses wherein the movable end (34) of said ejector has a stretchable bellows shape. [See column 1 paragraph 1 lines 14-19, i.e. invention relates to an electronic apparatus system comprising a small-sized electronic apparatus unit such as a portable book-type personal computer or word processor and an expansion unit having an expansion device for expanding the function of the electronic apparatus unit]

### ***Conclusion***



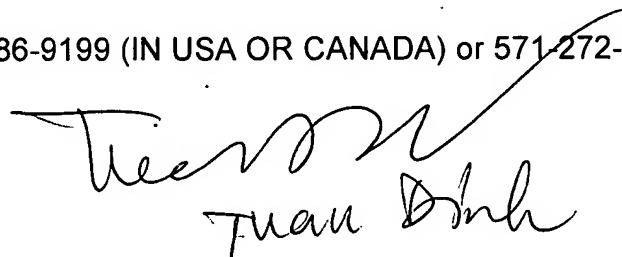
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abiy Getachew whose telephone number is (571) 272 6932. The examiner can normally be reached on Monday to Friday 8Am to 4:30Pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean A. Reichard can be reached on (571) 272 1984. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A.G.  
February 9, 2007

  
Tuan Binh  
AU2841